



## Meeting Agenda (Day 1)

Thursday, February 21, 2008

8:00	Catered Breakfast at Boulderado Hotel	
9:00	Welcome and Logistics	Harvey Tananbaum & Web Cash (10 min)
9:10	Project Scientist Report	Nick White (15 min + 10 min q/a)
9:35	Project Report	Jean Grady et al (20 min + 5 min q/a)

### Technology Development Reports — 10:00 a.m. – 1:55 p.m.

10:00	SXT Mirror Report	Will Zhang et al (35 min + 10 min q/a)
10:45	BREAK	15 min
11:00	XMS Report	Rich Kelley et al (35 min + 10 min q/a)
11:45	HXT Report	Suzanne Romaine (15 min + 5 min q/a)
12:05	LUNCH — Catered at Boulderado Hotel	60 min
1:05	XGS Report — “Blazed transmission gratings for Constellation-X: EUV and soft X-ray results”	Ralf Heilmann (20 min)
1:25	XGS Report — “Reflection Gratings Update”	Randy McEntaffer (20 min)
1:45	XGS Questions	moderated by Jay Bookbinder (10 min)

### Science Talks: 1:55 – 6:00 p.m. (20 min + 10 q/a)

1:55	The Decadal FST Science Panels   The Con-X Simulator	Ann Hornschemeier   Randall Smith (30 min + 10 min q/a)
2:35	Testing General Relativity and Measuring Black Hole Spin (Broad Fe K line measurements in AGN)	Chris Reynolds
3:05	Census of Black Hole Accretion in the Universe (CXRB, highly obscured AGN, tie-in to BH spin evolution)	Nancy Levenson
3:35	BREAK	25 min
4:00	The high-z universe, Re-ionization & Synergy with JWST “First Light” Science (z>6 objects and simulations of re-ionization)	Niel Brandt
4:30	Supernova/Stellar Feedback (Galactic Superwinds & Halos, ISM, tie-in to ICM, tie-in to WHIM)	David Strickland
5:00	Missing Baryons/WHIM & synergy with UV spectroscopy (Includes synergy with HST COS)	Mike Shull
5:30	Solar System, Planet Formation and Evolution (Solar System bodies, heliosphere, tie-in to protoplanetary disks and planet habitability)	Eric Feigelson
6:00	Dinner (see list of Boulder restaurants at: <a href="http://casa.colorado.edu/~wcash/BoulderInfo.htm">http://casa.colorado.edu/~wcash/BoulderInfo.htm</a> )	



## Meeting Agenda (Day 2)

Friday, February 22, 2008

7:00 Catered Breakfast at Boulderado Hotel (**NOTE EARLY START**)

### Science Talks (cont.): 8:00 a.m. – 1:30 p.m. (20 min + 10 q/a)

8:00	MHD Physics in Stellar Environments (Stellar corona, disks, winds, flares; protostellar formation)	Rachel Osten
8:30	Plasma Diagnostics and Atomic Astrophysics (works across panels on diagnostics, will include members of the laboratory atomic astrophysics community)	Nancy Brickhouse
9:00	Production and Distribution of the Elements (Supernovae and their remnants, heavy metal/dust production, includes shock physics and non-thermal processes)	Jack Hughes
9:30	BREAK	30 min
10:00	AGN Feedback: Outflows & Jets (AGN jet sources in clusters of galaxies, BAL QSOs, plus some 'mid-scale' feedback: warm absorbers, etc.)	Andy Fabian
10:30	Evolution of Large Scale Structure in the Universe (formation/evolution of clusters and groups of galaxies, including cosmology: $G(z)$ , $\Omega_M$ , $\sigma_8$ , dark energy and dark matter, synergies with JDEM/Planck)	Steve Allen
11:00	Hot Baryons in Deep Potential Wells (Clusters, Groups and Elliptical Galaxies: Cooling Flows, Entropy Problem, Nucleosynthesis Constraints from ICM, Turbulence and Mergers in Clusters)	Paul Nulsen (for Christine Jones)
11:30	LUNCH — Catered at Boulderado Hotel	60 min
12:30	Extreme States of Matter in Neutron Stars (NS EOS, Magnetars, NS frame dragging)	Derek Fox (for Fritz Paerels)
1:00	Accretion Physics in Stellar Systems (NS and BH binaries in the Galaxy, IMBHs, CVs, ULXs)	Chris Reynolds (for Jon Miller)
1:30	Summary and Open Discussion, Plans for next meeting	moderated by Harvey Tananbaum and Ann Hornschemeier
2:30	ADJOURN	